


Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/531,151
				Filing Date (Int'l)	October 24, 2003
				First Named Inventor	Peter B. DARWOOD
				Art Unit	Not Yet Assigned 2618
				Examiner Name	Not Yet Assigned T. Nguyen
Sheet	1	of	2	Attorney Docket Number	562492004100

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
T.N.	1.	US-2002/0126220-A1	09-12-2002	Wilson et al.	
T.N.	2.	US-5,627,826-A	05-06-1997	Kameda et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
T.N.	3.	EP-0 551 803-A1, B1	07-21-1993	Telefonaktiebolaget L M Ericsson		
T.N.	4.	EP-0 827 295-A2, A3	03-04-1998	Siemens AG		
T.N.	5.	EP-0 994 570-A1	04-19-2000	Sony International (Europe) GMBH		
T.N.	6.	EP-1 235 360-A1	08-28-2002	Matsushita Electric Industrial Co., Ltd.		
T.N.	7.	WO-02/082705-A1	10-17-2002	Linkair Communications, Inc.		
T.N.	8.	WO-2004/036857-A1	04-29-2004	IPWireless, Inc.		

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
T.N.	9.	3GPP (March 2002). "3rd Generation Partnership Project; Technical Specification Group Radio Access Networks; BS Radio Transmission and Reception (TDD) (Release 1999)," 3GPP TS 25.105; V3.10.0, pp. 1-39.	
	10.	3GPP (March 2002). "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels onto Physical Channels (TDD) (Release 1999)," 3GPP TS 25.221, V3.10.0, pp. 1-51.	
	11.	ETSI (December 2000). "Universal Mobile Telecommunications System (UMTS); UTRA (BS) TDD; Radio Transmission and Reception (3GPP TS 25.105 version 3.5.0 Release 1999)," ETSI TS 125 105 V3.5.0 pp. 1-18.	
	12.	Hosur, S. et al. (September 2000). "Design of Cyclically Permutable Codes for PN Code Acquisition in WCDMA TDD Mode," <i>IEEE VTS Fall VTC2000 52nd Vehicular Technology Conference</i> Boston, MA, September 24-28, 2000, pp. 581-587.	
	13.	Koukourlis, S.S. et al. (March 1995). "On the Capacity of an FFH-CDMA Packet Radio Network," <i>IEEE Transactions on Broadcasting</i> 41(1):17-22.	
	14.	Lei, M. et al. (June 2002). "Channel Estimation Based on Midamble in UTRA-TDD System," <i>Proceeding of the International Conference on Telecommunications 2002</i> , Beijing, China, June 23-26, 2002, 2:434-438.	
	15.	Search Report for GB Application No. 0224757.5 filed October 24, 2002, mailed April 28, 2003, one page.	
T.N.	16.	Sills, J.A. (August 2002). "Adaptive Power Amplifier Linearization by Digital Pre-Distortion Using Genetic Algorithms," <i>IEEE Radio and Wireless Conference</i> , Boston, MA, August 11-14,	

Examiner Signature		Date Considered	10/24/06
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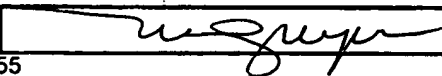
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		2002, pp. 229-232.	
T.N	17.	Springer, A. et al. (September 2001). "Digital Predistortion-Based Power Amplifier Linearization for UMTS," <i>European Conference on Wireless Technology</i> , London, England, September 27-28, 2001, pp. 185-188.	
T.N	18.	Steiner, B. et al. (September 1993). "Uplink Channel Estimation in Synchronous CDMA Mobile Radio Systems with Joint Detection," <i>The 4th International Symposium on Personal, Indoor and Mobile Radio Communications</i> Yokohama, JP, September 8-11, 1993, pp. 123-127.	
T.N	19.	Steiner, B. et al. (Jan.-Feb. 1994). "Optimum and Suboptimum Channel Estimation for the Uplink of CDMA Mobile Radio Systems with Joint Detection," <i>European Transactions on Telecommunications and Related Technologies</i> 5(1):39-50.	
T.N	20.	Väänänen, O. et al. (September 2002). "Reducing the Peak to Average Ratio of Multicarrier GSM and EDGE Signals," <i>13th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications</i> , Lisboa, PT, September 15-18, 2002, 1:115-119.	

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